

Product datasheet for RR214267

Kiss1r (NM_023992) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Kiss1r (NM_023992) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Kiss1r
 Synonyms: Gpr54
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR214267 representing NM_023992
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAGAGGCGACGTTGGGTCCGAACGTGAGCTGGTGGGCTCCGTCCAACGCTTCGGGATGCCCGG
 GCTGCGGTGTCAATGCCTCGGATGGCCAGGCTCCGCGCCAAGGCCCTGGATGCCTGGTGGTCCCT
 GTTTTTCGCTGCCCTAATGTTGCTGGGGCTAGTCGGGAACCTACTGGTCATCTTCGTTATCTGCCGCCAC
 AAGCACATGCAGACCGTCACCAATTTCTACATCGCTAACCTGGCGCCACAGATGTCACCTTCCTTCTGT
 GCTGCGTACCCTTACC CGCTCCTCTATCCGCTGCCACCTGGGTGCTGGGAGACTTCATGTGCAAATT
 CGTCAACTACATCCAGCAGGTCTCGGTGCAAGCCACATGTGCCACTTTGACAGCCATGAGTGTGGACCGC
 TGGTACGTGACTGTGTTCCCGCTGCGTGCACTTACC CGCGCACTCCGCGCTGGCCCTGACTGTACGCC
 TTAGCATCTGGGTGGGTTCCGCGAGCTGTTCCGCCCCGGTGTGGCTCTGCATCGCTGTGCGCCGGGCC
 TCACACCTACTGCAGTGAGGCGTTTCCAGCCGTGCCCTGGAGCGCGCTTTCGCGCTCTACAACCTGCTG
 GCCCTATACCTGCTGCCGCTGCTCGCCACCTGCGCCTGTACGGTGCCATGTGCGCCACCTGGGCCGCG
 CCGCTGTACGCCCCGACCCACTGATGGCGCCCTGCAGGGCAGCTGCTAGCACAGCGCGCTGGAGCAGT
 GCGCACCAAGGTCTCCCGGCTGGTGGCCGCTGTCTGCTCTTCGCGCGCTGCTGGGGCCCGATCCAG
 CTGTTCTGGTCTTCAAGCCCTGGGCCCTCGGGGCTGGCACCCCTGAAGCTATGCCGCTACGCGC
 TCAAGATCTGGGCTCACTGCATGTCTACAGCAATTCTGCGCTCAACCCGCTGCTCTATGCCTTCTGGG
 TTCCCACTTACAGACAGGCTTCTGCCGCTGTGCCCTGCGGCCGCAACGCCAGCGTGGCCCCACGCG
 TCAGCGCACTCGGACCGACCGCACCCCATAGTGTGCCGACAGCCGGGCTGCGCACCTGTCCGGGTCA
 GAACCCCGAGCCTGGGAACCCTGTGGTGCCTCGCCCTCTGTTGAGGATGAACACACTGCCCACTC

AC**GGGCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA



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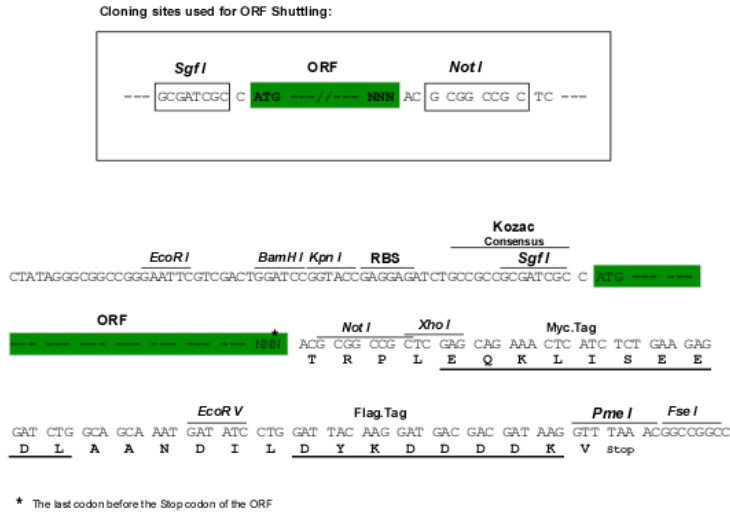
Protein Sequence: >RR214267 representing NM_023992
 Red=Cloning site Green=Tags(s)

MAAEATLGNVSWWAPSNASGCPGCGVNASDGPGSAPRPLDAWL VPLFFAALMLLGLVGNLSLVIFVICRH
 KHMOTVTNFYIANLAATDVTFLLCCVPFTALL YPLPTWVLGDFMCKFVNYIQQVSVQATCATLTAMSVDR
 WYVTVFPLRALHRRTPRLAL TVSLSIWVGSAAVSAPVLALHRLSPGPHTYCEAFPSRALERAFALYNLL
 ALYLLPLLATCACYGAMLRHLGRAAVRPAPTDGALQGQLLAQRAGAVR TKVSRLVAAVVLLFAACWGPIQ
 LFLVLQALGPSGAWHPRS YAAYALKIWAHCMSYNSALNPLLYAFLGSHFRQAF CRVPCGPGPQRQRPHA
 SAHSDRAAPHSVPHSRAAHPVRVRTPEPGNPVVRSPSVQDEHTAPL

TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_023992

ORF Size: 1188 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_023992.2](#), [NP_076482.2](#)

RefSeq Size: 1502 bp

RefSeq ORF: 1191 bp

Locus ID: 78976

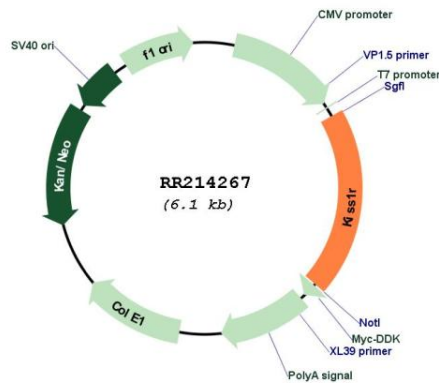
UniProt ID: [Q924U1](#)

Cytogenetics: 7q11

MW: 42.8 kDa

Gene Summary: a G protein-coupled receptor; human homolog may bind ligand and metastasis suppressor gene KiSS-1 [RGD, Feb 2006]

Product images:



Circular map for RR214267